



SEQUENCE LISTING

<110> CURIEL, DAVID T.
KRASNYKH, VICTOR N.

<120> MODIFIED ADENOVIRUS CONTAINING A FIBER REPLACEMENT PROTEIN

<130> 678503-2006.2

<140> 09/612,852
<141> 2000-07-10

<150> 09/250,580
<151> 1999-02-16

<150> 60/074,844
<151> 1998-02-17

<160> 20

<170> PatentIn Ver. 3.2

<210> 1
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 1
gggaacttga cctcacagaa cgtttatagt cgtttaaatg

40

<210> 2
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 2
aggccatggc caattttgc cggcgataaa aaggttag

37

<210> 3
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide

<400> 3
ttggccccat ttaaatgaat cgtttgtt atgtttcaac gtgttattt ttc

53

<210> 4
<211> 61
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 4
aattgaaaaa taaacacgtt gaaacataac acaaacgatt catttaaatg gggccaatat 60
t 61

<210> 5
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 5
ggcagggtgga ggcggttcag gcggaggtgg ctctggcggt ggcggatccg gggattt 57

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<211> 57
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 6
aaatccccgg atccgccacc gccagagcca cctccgcctg aaccgcctcc acctgcc 57

<210> 7
<211> 36
<212> DNA
<213> Artificial Sequence

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oligonucleotide

<400> 7
gatcttagagg atcgcatcac catcaccatc actaat 36

<210> 8
<211> 32

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<212> DNA
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<400> 8
attatgtatg gtgatggta tgcgatcctc ta

<210> 9
<211> 27
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 9
ccctcatgaa gcgcgcaga ccgtctg

<210> 10
<211> 27
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 10
cccaagctta gtgatggta tggtgat

<210> 11
<211> 8
<212> PRT
<213> Adenovirus type 5

<400> 11
Gly Asn Thr Leu Ser Gln Asn Val
   1           5

<210> 12
<211> 26
<212> PRT
<213> Bacteriophage T4

<400> 12
Val Tyr Ser Arg Leu Asn Glu Ile Asp Thr Lys Gln Thr Thr Val Glu
   1           5           10          15

Ser Asp Ile Ser Ala Ile Lys Thr Ser Ile
   20          25

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<210> 13
<211> 361
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
fiber-fibritin-6H chimera

<400> 13
Met Lys Arg Ala Arg Pro Ser Glu Asp Thr Phe Asn Pro Val Tyr Pro
1 5 10 15
Tyr Asp Thr Glu Thr Gly Pro Pro Thr Val Pro Phe Leu Thr Pro Pro
20 25 30
Phe Val Ser Pro Asn Gly Phe Gln Glu Ser Pro Pro Gly Val Leu Ser
35 40 45
Leu Arg Leu Ser Glu Pro Leu Val Thr Ser Asn Gly Met Ala Leu Lys
50 55 60
Met Gly Asn Gly Leu Ser Leu Asp Glu Ala Gly Asn Leu Thr Ser Gln
65 70 75 80
Asn Val Tyr Ser Arg Leu Asn Glu Ile Asp Thr Lys Gln Thr Thr Val
85 90 95
Glu Ser Asp Ile Ser Ala Ile Lys Thr Ser Ile Gly Tyr Pro Gly Asn
100 105 110
Asn Ser Ile Ile Thr Ser Val Asn Thr Asn Thr Asp Asn Ile Ala Ser
115 120 125
Ile Asn Leu Glu Leu Asn Gln Ser Gly Gly Ile Lys Gln Arg Leu Thr
130 135 140
Val Ile Glu Thr Ser Ile Gly Ser Asp Asp Ile Pro Ser Ser Ile Lys
145 150 155 160
Gly Gln Ile Lys Asp Asn Thr Thr Ser Ile Glu Ser Leu Asn Gly Ile
165 170 175
Val Gly Glu Asn Thr Ser Ser Gly Leu Arg Ala Asn Val Ser Trp Leu
180 185 190
Asn Gln Ile Val Gly Thr Asp Ser Ser Gly Gly Gln Pro Ser Pro Pro
195 200 205
Gly Ser Leu Leu Asn Arg Val Ser Thr Ile Glu Thr Ser Val Ser Gly
210 215 220
Leu Asn Asn Asp Val Gln Asn Leu Gln Val Glu Ile Gly Asn Asn Ser
225 230 235 240

Thr Gly Ile Lys Gly Gln Val Val Ala Leu Asn Thr Leu Val Asn Gly
245 250 255

Thr Asn Pro Asn Gly Ser Thr Val Glu Glu Arg Gly Leu Thr Asn Ser
260 265 270

Ile Lys Ala Asn Glu Thr Asn Ile Ala Ser Val Thr Gln Glu Val Asn
275 280 285

Thr Ala Lys Gly Asn Ile Ser Ser Leu Gln Gly Asp Val Gln Ala Leu
290 295 300

Gln Glu Ala Gly Tyr Ile Pro Glu Ala Pro Arg Asp Gly Gln Ala Tyr
305 310 315 320

Val Arg Lys Asp Gly Glu Trp Val Leu Leu Ser Thr Phe Leu Ser Pro
325 330 335

Ala Gly Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Ser
340 345 350

Arg Gly Ser His His His His His
355 360

<210> 14

<211> 9

<212> PRT

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Peptide ligand
containing the RGD motif

<400> 14

Cys Asp Cys Arg Gly Asp Cys Phe Cys
1 5

<210> 15

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide fragment from FF/6H chimera

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Phe Asn Pro Val Tyr Asp
1 5

<210> 16

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
peptide fragment from FF/6H chimera

<400> 16
Arg Gly Ser His His His His His His
1 5

<210> 17
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 6-His tag

<400> 17
His His His His His His
1 5

<210> 18
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide fragment from FF/6H chimera

<400> 18
Ser Gln Asn Val
1

<210> 19
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 5-His tag

<400> 19
His His His His His
1 5

<210> 20
<211> 4
<212> PRT
<213> Bacteriophage T4

<400> 20
Gly Leu Asn Thr
1